

### Worksheet # 3: Write the Expression or Equation Algebraically

An **algebraic expression** is a mathematical expression that will have variables, numbers and operations. The variable will represent the number in an expression or an equation. Answers may vary slightly.

- 1.) The the 5th power of a number is 38
- 2.) A number divided by 3 is 19
- 3.) The product of a number and 11 is equal to 45
- 4.) The quotient of a number and 2 is 7
- 5.) A number decreased by 6 is equal to 31
- 6.) A number decreased by 9 is 23
- 7.) A number increased by 12 is equal to 50
- 8.) The sum of a number and 7 is equal to 48
- 9.) A number increased by 12 is equal to 50
- 10.) 12 less than n is 19
- 11.) The difference of a number and 15 is equal to 30
- 12.) Five more than a number is equal to 14
- 13.) A number decreased by 27 equals to 22
- 14.) 12 more than a number is equal to 17
- 15.) The difference of a number and 5 is equal to 20

Worksheet # 4: Answers

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| 1.) The the 5th power of a number is 38               | $n^5 = 38$         |
| 2.) A number divided by 3 is 19                       | $\frac{n}{3} = 19$ |
| 3.) The product of a number and 11 is equal to 45     | $n \cdot 11 = 45$  |
| 4.) The quotient of a number and 2 is 7               | $\frac{n}{2} = 7$  |
| 5.) A number decreased by 6 is equal to 31            | $n - 6 = 31$       |
| 6.) A number decreased by 9 is 23                     | $n - 9 = 23$       |
| 7.) A number increased by 12 is equal to 50           | $n + 12 = 50$      |
| 8.) The sum of a number and 7 is equal to 48          | $n + 7 = 48$       |
| 9.) A number increased by 12 is equal to 50           | $n + 12 = 50$      |
| 10.) 12 less than n is 19                             | $n - 12 = 19$      |
| 11.) The difference of a number and 15 is equal to 30 | $n - 15 = 30$      |
| 12.) Five more than a number is equal to 14           | $n + 15 = 14$      |
| 13.) A number decreased by 27 equals to 22            | $n - 27 = 22$      |
| 14.) 12 more than a number is equal to 17             | $n + 12 = 17$      |
| 15.) The difference of a number and 5 is equal to 20  | $n - 5 = 20$       |